

IN THE CLAIMS:

Please cancel claims 2-3 and 10 and amend the claims as follows:

1. (Currently Amended): In a multi-processor computing environment, a method executed by a first processor for allocating resources for use by a ~~second~~ plurality of other processors ~~processor~~, the method comprising:
 - providing a script to the first processor, the first processor being dedicated solely to parsing the script and to the allocation of resources to one or more the plurality of other processors, the script containing information related to the resources required by the ~~second processor~~ other processors and when the resources are required in the execution sequence of ~~a program~~ an application;
 - parsing the script to determine the resources required by the ~~second processor~~ plurality of other processors; and
 - dynamically allocating the resources ~~at the time~~ as needed by the ~~second processor~~ plurality of other processors in the execution of the application.
- 2 – 3 (Cancelled)
4. (Previously Presented): The method of claim 1 wherein the resources include at least one of memory and a matrix configuration.
5. (Cancelled)
6. (Previously Presented): The method of claim 1 wherein the information in the script is the amount of buffer memory needed by a program.
7. (Currently Amended): A method by a dedicated processor for allocating resources for ~~use by one or more~~ executing tasks in an application in a multi-processor computing environment, the method comprising:

providing a script to ~~the processor~~ other dedicated processors, the ~~first~~ dedicated processor being dedicated solely to executing the script and the allocation of resources to one or more other processors, the script containing a map of sequences that will occur during execution of the one or more tasks;

parsing the script to determine resources required by the other processor based on the map of sequences; and

allocating the resources immediately prior to execution of each of the tasks to achieve the most efficient execution of all of the tasks.

8. (Original): The method of claim 7 wherein the script is an I/O processor script.

9. (Currently Amended): A predictive resource allocation system for a multi-processor computing environment having a plurality of processors ~~two or more processors~~, comprising:

a ~~first processor~~ plurality of other processors for executing an application;

a dedicated ~~second~~ processor dedicated solely to providing resource allocation to the ~~first processor~~ plurality of other processors;

a script file containing information related to the resources required by the ~~first processor~~ plurality of processors to execute the application;

~~a script engine for a dedicated processor running the script file, the dedicated processor in conjunction with the script engine~~ and parsing the script to determine the resources required by the first processor; and

the dedicated ~~second~~ processor dynamically allocating resources at the time they are needed by the ~~first processor~~ plurality of other processors for the execution of the application.

10. (Cancelled)

11. (Currently Amended): A method ~~by a processor~~ for allocating resources for use by ~~two or more tasks~~ a first processor in execution of an application comprising a plurality of tasks in a multi-processor computing environment, the method comprising:

providing a script to a first processor, the first processor being dedicated solely to the parsing the script and to allocation of resources to ~~one or more~~ a plurality of other processors, the script containing a map of sequences that will occur during execution of the tasks;

parsing the script to determine the map of sequences for the plurality of other processors to execute the tasks and to determine the resources required by the tasks; and

allocating the resources to ~~tasks~~ the processors such that resource allocation is synchronized with when the resources are needed by ~~tasks~~ processors for efficient execution of the application.

12. (Currently Amended): The method of claim 11 wherein allocating the resources to the plurality of other processors in the multi-processor environment further comprises dynamically allocating the resources at the time needed [[by]] for execution of the tasks.